

PROZOROVSKIY, Aleksandr Sergeyevich, dots.; BLAGOVIDOVA, Yulya  
Aleksandrovna, dots.; PROKOF'YEV, V.P., red.; ZAGOREL'SKIY,  
Ya.I., tekhn. red.

[Ointments; a textbook for correspondence students on the  
technology of preparing medicinal forms] Mazi; uchebnoe po-  
sobie po tekhnologii lekarstvennykh form dlia studentov-  
zaochnikov. 2. izd. Moskva, 1962. 53 p. (MIRA 15:9)

1. Moscow. Pervyy meditsinskiy institut. Zaochnoye otdeleniye  
farmatsevticheskogo fakul'teta. 2. Zaveduyushchiy kafedroy  
tekhnologii galenovykh preparatov Pervogo Moskovskogo meditsin-  
skogo instituta(for Prozorovskiy). 3. Zaveduyushchiy kafedroy  
tekhnologii lekarstvennykh form Pervogo Moskovskogo meditsin-  
skogo instituta (for Blagovidova).

(OINTMENTS)

SEMENOVA, T.D.; TOL'TSMAN, T.I., dots., red.; PROKOF'YEV, V.P., red.;  
MARKOV, I.M., tekhn. red.

[Pharmaceutical industry; a lecture] Farmatsevticheskaiia pro-  
izshlennost'; lektsiia. Pod red. T.I.Tol'tsman. Moskva, 1-i  
Mosk. meditsinskii in-t im. I.M.Sechenova, 1962. 29 p.  
(MIRA 15:9)

(Drug industry)

GORBOV, V.A., red.; RYABOV, V.N., red.; PEROTSKAYA, A.S., red.;  
CHERNAYENKO, T.D., red.; PROKOF'YEV, V.P., red.

[Basic problems of the sanitary protection of soil] Osnovnye  
voprosy sanitarnoi okhrany pochvy. Moskva, Meditsina,  
1965. 344 p.  
(MIRA 18:5)

BLAGOVIDOVA, Yuliya Aleksandrovna; PROKOF'YEV, V.P., red.; ZAGOREL'SKIY,  
Ya.I., tekhn. red.

[Incompatible and irrational prescriptions; a textbook on the  
technology of medicinal forms for correspondence students] Ne-  
sovremenkiye i neratsional'nye propisi; uchebnoe posobie po  
tekhnologii lekarstvennykh form dlia studentov-zaochnikov. Mo-  
skva, 1962. 44 p.  
(MIRA 15:9)

1. Moscow. Pervyy meditsinskiy institut. Kafedra tekhnologii  
lekarstvennykh form. 2. Zaveduyushchiy kafedroy tekhnologii  
lekarstvennykh form Pervogo Moskovskogo meditsinskogo insti-  
tuta imeni I.M.Sechenova (for Blagovidova).

(INCOMPATIBLES (PHARMACY))

GOLOSOVA, Nadezhda Alekseyevna; TOL'TSMAN, T.I., dots., red.;  
PROKOF'YEV, V.P., red.; MARKOV, I.M., tekhn. red.

[Materials on the history of general pharmacy; a textbook  
for correspondence students] Materialy po istorii vseobshchei  
farmatsii; uchebnoe posobie dlja studentov-zaochnikov. Pod  
red. T.I.Tol'tsman. Moskva, 1-i Mosk. med. in-t im. I.M.  
Sechenova, 1962. 36 p. (MIRA 15:9)

(PHARMACY)

PROKOF'YEV, V.P., vrach

Hygiene of the kitchen. Zdorov'e 6 no.6:23 Je '60.

(MIRA 13:7)

(KITCHENS--SANITATION)

KONONOV, Vladimir Nikolayevich; PROKOF'YEV, V.P.. redaktor; ROMANOVA, Z.A.,  
tekhnicheskiy redaktor

[Sanitary evaluation of underground and surface waters used for  
drinking and household needs] Sanitarno-gigienicheskaya otsenka  
podzemnykh i nazemnykh vod, ispol'zuemykh dlia pit'yevykh i kho-  
ziaistvennykh tselei naseleniya. Moskva, Gos. izd-vo med. lit-ry  
1956. 138 p.

(MIRA 9:12)

(WATER--ANALYSIS)

PROKOF'YEV, V.P.; GOL'DFEL'D, A.Ya., redaktor; CHMREMUSHKINA, N.A.,  
redaktor; GABERLAND, M.I., tekhnicheskiy redaktor

[Keeping children's rooms clean] Soderzhite v chistote pomeshchenie,  
v kotorom zhivet rebenok. Moskva, Gos. izd-vo med. lit-ry, 1956.  
15 p. (MLRA 10:3)

(CHILDREN—CARE AND HYGIENE)

PROKOF'YEV, V.P.  
PROKOP'YEV, V.P. (Moskva)

~~Control of sanitation of baths, laundry rooms and barber shops.~~  
~~Mel'd. i akush. 23 no.1:55-58 Ja '58.~~  
(MIRA 11:3)  
(SANITATION)

Prokof'yev, V.P.  
STAROKADOMSKIY, Leonid Mikhaylovich; PROKOF'YEV, V.P., red.; SENCHILO,  
K.K., tekhn.red.; LYUDKOVSKAYA, N.I., tekhn.red.

[Manual of hygiene for seagoing vessels] Rukovodstvo po gигиене  
morskogo transporta. Moskva, Gos.izd-vo med.lit-ry 1957. 244 p.  
(SHIPS--SANITATION)

PROKOF'YEV, V.P.

AID P - 1501

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 16/19

Author : Prokof'yev, V. P., Scientific Worker

Title : All-Union Scientific Conference on problems of the  
sanitary planning and organization of kolkhozes  
(collective farms), machine and tractor stations,  
sovkhозes (state farms) and on the housing hygiene

Periodical : Gig. i san., 2, 56-58, F 1955

Abstract : Brief description of the reports communicated at the  
Conference in the Institute of General and Municipal  
Hygiene, Academy of Medical Sciences, USSR, Moscow, 1954

Institution: None

Submitted : No date

PROKOP'YEV, V.P.

[*Hygiene of the public eating system*]. *Gigiena obshchesstvennogo*  
*pitanija. Meskva, Medgiz, 1956. 142 p.* (MLRA 9:5)  
(RESTAURANTS, LUNCH ROOMS, ETC.) (PUBLIC HEALTH)

PROKOF'YEV, V.P., vrach (Moskva)

Importance of milk and milk products in the diet of children and  
adults. Med. sestra 20 no.4:54-56 Ap '61. (MIRA 14:5)  
(MILK AS FOOD)

S/032/61/027/001/024/037  
3017/B054

AUTHORS: Bulygin, I. P., Vlasova, P. T., Prokof'yev, V. P.

TITLE: Reasons for Contradictory Results in Endurance Tests of Metals by Using Stationary and Bench-type Machines

PERIODICAL: Zavodskaya laboratoriya, 1961, Vol. 27, No. 1, pp. 86-89

TEXT: The endurance limit measured by the machines K-3A (K-3A), BП-8 (VP-8), ЧКТИ-750 (TsKTI-750), and ЯБ-1 (YaB-1) is higher than that ascertained by large stationary machines such as МП-3 (MP-3), МП-4 (MP-4), МП-2 (IP-2), МП-4М (IP-4M), МП-101 (VP-101), and ВПК-11 (VPK-11). The reasons for such contradiction are discussed. Samples of 31617 (EI 617) nickel alloy were investigated at 850°C and a stress of 20 kg/mm<sup>2</sup>. The results obtained by the machines МП-3 (MP-3), ВПК-11 (VPK-11), and К-3А (K-3A) are compiled in a table. The endurance limit measured by the machine K-3A (K-3A) (with ordinary furnace) is three times higher than that measured by the machines МП-3 (MP-3) and ВПК-11 (VPK-11). The heating conditions of the machines were observed. For this purpose, the authors installed 19 chrome-aluminum thermocouples on the outer surface of samples and in the

Card 1/2

Reasons for Contradictory Results in  
Endurance Tests of Metals by Using Stationary  
and Bench-type Machines

S/032/61/027/001/024/037  
B017/B054

clamps of the machine МП-3 (MP-3), 15 temperature-measuring points were provided in the sample and the clamps of a К-3А (K-3A) machine. Fig. 1 shows the arrangement of thermocouples in samples and clamps of К-3А (K-3A) (a) and МП-3 (MP-3) (b) machines. The temperature distribution in samples and clamps of machines was measured with a ВВ-2 (PF-2) potentiometer on heating to 850 and 700°C. Results are graphically shown in Fig. 2. Fig. 3 shows the curves of endurance for the ОИ 617 (EI 617) alloy at 830 and 850°C. It follows from the results that the reasons for contradictory data in endurance tests is the irregular heating of samples in the furnace. To obtain a uniform heating of samples, the К-3А (K-3A) machine was equipped with a new furnace construction suggested by A. V. Shorin and V. I. Konyashchin of the zavod "Elektrostal'" ("Elektrostal'" Plant). Fig. 4 shows the furnace for the bench-type machine designed by M. G. Smirnov (VIAM). The endurance measured by the bench-type machine, improved with the new furnace, is the same as that measured by stationary machines. There are 4 figures, 1 table, and 1 Soviet reference.

Card 2/2

PROKOF'YEV, V.P., gornyy inzh.

Ways of increasing the efficiency of the main ventilation systems  
in nonferrous ore mines. Gor. zhur. no.3:25-30 Mr '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh  
metallov, Ust'-Kamenogorsk.  
(Mine ventilation)

PROKOF'YEV, V.P. (Moskva)

Assistance from medical personnel to collective farms producing  
milk. Fel'd. i akush. 26 no.4:56-61 Ap '61. (MIRA 14:3)  
(DAIRY INDUSTRY—HYGIENIC ASPECTS)

PROKOF'YEV, Vasiliy Platonovich; DUKHOVSKIY, A.I., red.; LYUDKOVSKAYA,  
N.I., tekhn.red.

[Labor hygiene in the fishing industry] Gigiena truda na  
rybnykh promyslakh. Moskva, Gos.izd-vo med.lit-ry, 1960. 22 p.  
(MIRA 13:7)

(FISHERIES--HYGIENIC ASPECTS)

PROKOF'YEV, Vasiliy Platonovich; BONDAREV, G.I., red.; BUL'DYAYEV, N.A.,  
tekhn.red.

[Hygienic aspects of public food service] Gigiena obshchestveno-  
nogo pitaniya. Izd.2., perer. Moskva, Gos.izd-vo med.lit-ry  
Medgiz, 1960. 218 p.  
(Food handling)

PROKOF'YEV, Vitaliy Petrovich; ZAIKA, Konstantin Pavlovich; OGLOBLIN,  
D.N., otv.red.; SHEL'TAR, S.Ya., tekhn.red.

[Efficient methods of developing and mining contiguous seams]  
Ratsional'nye sposoby podgotovki i sistemy razrabotki sblizhennykh plastov. Moskva, Ugletekhnizdat, 1959. 199 p.  
(MIRA 12:11)  
(Coal mines and mining)

PROKOF'YEV, V.R. (Leningrad, ul. Ryleyeva, d.25 kv.6).

Pathogenesis and treatment of endarteritis obliterans.  
Vest.khir. 81 no.9:100-113 8'58 (MIRA 11:11)

1. Iz gospital'noy khirurgicheskoy kliniki No.2 (nach. - prof.  
Ye.V. Smirnov) Voyenno-meditsinskogo ordena Lenina akademii imeni  
S.M. Kirova.  
(THROMBOANGITIS OBLITERANS,  
pathogen. & ther. (Rus))

PROKOF'YEV, V.V., kandidat tekhnicheskikh nauk.

Use of mechanical oil separators of the shaving type to remove  
oil from exhaust steam. Prom.energ. 11 no.8:8-9 Ag '56.  
(MLRA 9:11)

1. Institut imeni Mendeleyeva.  
(Separators (Machines))

PROKOF'YEV, Ye. A.

"The Forms in Which Barium, Strontium, and Calcium are Bound to Nitrogen." Cand  
Chem Sci, Leningrad State U imeni A. A. Zhdanov, Leningrad, 1955. (KL, No 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended  
at USSR Higher Educational Institutions (16).

L 10133-63BDS/EWT(d)/FCC(w)/EEC-2/EED-2/EEO-2--AFPTC/APGC/ASD/ESD-3  
Pg-4/Pk-4/Pm-4/Pc-4/Pq-4--IJP(G)/GG

ACCESSION NR: AP3000162

S/0141/63/006/002/0392/0397

AUTHOR: Prokof'yev, Ye. V.; Khokhlov, Yu. Ya.

86

85

TITLE: Pulse-time modulation used for simulating variable delay on a magnetic tape

16C

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy, radiofizika, v. 6, no. 2, 1963, 392-397

TOPIC TAGS: delay simulation, analogue computer

ABSTRACT: Constant-delay simulators as used in the analogue computers are inadequate for solving many problems involving variable delays. A magnetic-tape recorder with movable heads is suggested for simulating variable delays. Using the pulse-time modulation for varying the delay is substantiated mathematically. Delay signal distortions due to the magnetic-head movement during the recording and due to the tape-speed variation are analyzed.  
Orig. art. has: 23 equations and 3 figures.

Scientific-Research Physicotechnical Institute, Gorkiy University

Card 1/2

AFANAS'YEV, A.F.; PROKOF'YEV, V.V., dots., red.

[Screw threads and threaded articles; manual on mechanical drawing for students of the D.I.Mendeleev Chemical and Technological Institute] Rez'by i rez'bovye izdeliia; posobie po mashinostroitel'nomu chercheniiu dlia studentov MKhTI im. D.I.Mendeleeva. Moskva, Mosk. khimiko-tehnolog. in-t, 1965. 41 p. (MIRA 19:1)

PROKOF'YEV, V.V.; AFANAS'YEV, A.F.; PEKHTEREV, N.P.; ASEYEV, V.I.,  
retsenzent

[Descriptive geometry] Nachertatel'naia geometriia. Mo-  
skva, Mosk. khimiko-tehnolog. in-t im. D.I.Mendeleeva,  
1963. 169 p. (MIRA 17:5)

AFANAS'YEV, A.F.; PROKOF'YEV, V.V., dotsent, red.

[Screw thread and threaded parts; manual on mechanical drawing  
for students of the Moscow Chemical and Technological Institute]  
Rez'ba i rez'bovye izdeliiia; posobie po mashinostroitel'nomu  
chercheniiu dlia studentov MKhTI im. D.I.Mendeleeva. Moskva, Mosk.  
khimiko-tehnolog. in-t im. D.I.Mendeleeva, 1962. 38 p.  
(MIRA 16:1)

(Screw threads) (Mechanical drawing)

PROKOF'YEV, Valentin Vasil'yovich, inzh.; KASITSYNA, K.N., inzh.,  
red.

[Paired interchangeable bulldozer-crane equipment for the DT-54(55) and S-80(100) tractors; practices of innovators in the mechanization section of the Ul'yanovsk Construction Administration of the Main Volga Region Construction]  
Sparennoe smennoe bul'dozerno-kranovoe oborudovanie k traktorom DT-54(55) i S-80(100); opyt ratsionalizatorov upravleniya mekhanizatsii Ul'yanovskogo upravleniya stroitel'stva Glavprivolzhskstroia. Moskva, Gosstroizdat, 1963.  
17 p. (MIRA 17:9)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stva.
2. Glavnnyy inzhener upravleniya mekhanizatsii Ul'yanovskogo upravleniya stroitel'stva Glavnogo upravleniya po stroitel'stvu predpriyatiy na volge (for Prokof'yev).

PROKOF'YEV, V. V.

"Increase in Economy of Condensate Derivatives From Steam Consumers in the Chemical Industry." Sub 9 May 51, Moscow Order of the Lenin Chemicotechnological Inst imeni D. I. Mendeleyev

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

PROKOF'YEV, V.V., inzh.

Practices of the Machinery Administration of the Ulyanovsk  
Economic Council. Mekh.stroi. 19 no.3:19-20 Mr '62.

(MIRA 15:3)

(Ulyanovsk Province--Construction equipment)

PROKOF'YEV, Ya.N.; FARBEROV, M.I.; SHADRICHEVA, V.A.

$\alpha$ -Methylstyrene - butadiene copolymers with a predominant vinyl monomer content. Vysokom. soed. 2 no.2:185-192 F '60.  
(MIRA 13:11)

1. Yaroslavskiy tekhnologicheskiy institut.  
(Polymerization) (Styrene) (Butadiene)

SOBOLEV, V.M.; PROKOF'YEV, Ya.N.; BUBNOVA, I.A.; YATSYSHINA, T.N.

Separation of isobutylene from isobutylsulfuric acid by  
hydrocarbons without diluting acid with water. Khim.  
prom. no. 4:268-272 Ap '64. (MIRA 17:7)

PROKOF'YEV, Ya. N.

EPSHTEYN, V.G.; PROKOF'YEV, Ya.N.; MAKEYEVA, A.P.; TSVETKOV, A.I.;  
POZIN, A.A.; PRASHCHIKINA, A.S.

Butadiene-styrene resins as reinforcing agents for rubber mixtures.  
Khim.prom. no.5:261-265 J1-Ag '57. (MIRA 10:12)

1. Nauchno-issledovatel'skiy institut rezinovykh izdeliy shirokogo  
potrebleniya i Yaroslavskiy tekhnologicheskiy institut.  
(Rubber, Synthetic)  
(Resins, Synthetic)

LIAKUMOVICH, A.G.; SOBOLEV, V.M.; MICHUROV, Yu.I.; PROKOF'YEV, Ya.N.

Design and calculation of the absorption part elements for iso-butylene recovery by sulfuric acid of various concentration.  
Khim. i tekhn. topl. i masel 10 no.9:5-9 S '65. (MIRA 18:9)

1. Sterlitamakskiy zavod sinteticheskogo kauchuka.

5(1,3)

AUTHORS: Prokof'yev, Ya. N., Epshteyn, V. G.,  
Farberov, M. I. SAV, 155-58-4-21, 21

TITLE: Styrene Butadiene Resins as Reinforcing Additions to  
Rubbers, and the Possible Reinforcing Mechanism (Stirol'no-  
butadiyenovyye smoly kak usilivayushchiye ingrediyenty  
dlya kauchukov i vozmozhnyy mekhanizm usileniya)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimiches-  
kaya tekhnologiya, 1958, Nr 4, pp 128 - 137 (USSR)

ABSTRACT: Styrene butadiene resins are copolymers of styrene  
and butadiene, with styrene prevailing. They form a new  
class of the reinforcing agents of rubber mixtures.  
Abroad they are used as floor covering (linoleum sub-  
stitute), rubber linings, electric insulation, ebonite  
etc. (Refs 1-3). A further use of these resins is that  
of main additions in high-quality shoe soles made of one  
piece, heels, and other products of synthetic leather  
(Refs 2-8). The properties of the resins depend on  
the ratio styrene: butadiene in the polymerization. A

Card 1/4

Styrene Butadiene Resins as Reinforcing Additions to SOV/153-58-4-21/22  
Rubbers, and the Possible Reinforcing Mechanism

higher quantity of styrene increases the specific weight, the tensile strength, and decreases the relative expansion (Ref 8). The vulcanizates to which the resins in question are added become stronger, harder, higher resistant to friction and to repeated deformations. All these properties connected with the low specific weight and the dyeability in any shade open great possibilities for these styrene butadiene resins in the imitation leather industry. In the experimental part, the production method (Refs 10-11) as well as polymerization recipe are mentioned (Table 1). The characterization of the resins in dependence on the styrene content is given in table 2. Based on their investigations the authors arrived at the following conclusions: 1) The styrene butadiene resins are the best for reinforcing vulcanizates of styrene and nitrile rubber; those of natural and sodium butadiene rubber are reinforced to a smaller extent. 2) With respect to several properties the said resins have the same effect as the

Card 2/4

Styrene Butadiene Resins as Reinforcing Additions to Rubbers, and the Possible Reinforcing Mechanism

SOV/153-58-4-21,22

Card 3/4

addition of active soot. They are better than soot with respect to the increase of the resistance to repeated deformation. This is of great importance in using these resins for the production of shoe soles and imitation leather. 3) The reinforcing by styrene butadiene resins is higher if they are added in the latex stage of the rubber. This difference in the physical and mechanical properties of the vulcanizates is greater the higher the content of the bound styrene in the resin is(if added in the latex stage and on the rolls). Resins containing 85-95% styrene have the best effect. Resins having less than 70% styrene do not cause any noticeable reinforcement. 5) The cause of the reinforcing effect probably is the intermolecular interaction of resins and rubbers. A high resistance to tearing and abrasion can be explained by a **fibrous** structure formed by complexes of rigid, expanded resin molecules; these molecules are arranged between the **flexible** rubber agglomerates. There are 6 figures, 5 tables, and 22 references, 10 of which are Soviet,

. Styrene Butadiene Resins as Reinforcing Additions to Rubbers, and the Possible Reinforcing Mechanism SOV/153-32-4-21/22

ASSOCIATION: Yaroslavskiy tekhnologicheskiy institut i opytnyy zavod Ministerstva khimicheskoy promyshlennosti (Yaroslavl)  
Technological Institute and Experimental Plant of the Ministry of Chemical Industry) Kafedra tekhnologii osnovnogo organicheskogo sinteza i SK (Chair of Organic Basic Synthesis and Synthetic Rubber)

SUBMITTED: October 26, 1957

Card 4/4

PROKOF'YEV, Ya.N.; YEMEL'YANOVA, A.P.; PISARENKO, A.P.

Using high-styrene rubbers in the manufacture of microporous soles  
for shoes. Kozh.-obuv. prom. no.3:19-23 Mr '59.

(MIRA 12:6)  
(Rubber, Synthetic) (Shoe manufacture)

SOBOLEV, V.M.; PROKOF'YEV, Ya.N.; FEL'DBLYUM, V.Sh.; ZAKHAROV, B.N.  
[deceased]; MKHEIDZE, M.A.

Low-temperature viscosimetric tests in the development of  
the technology for the synthesis of butyl rubber. Kauch.  
i rez. 23 no.6:1-4 Je '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut monomerov dlya  
sinteticheskogo kauchuka.

PROKOF'YEV, Ye.A., red.

[Military art of the slaveholding and feudal society] Voennoe  
iskusstvo rabovladel'cheskogo i feudal'nogo obshchestva. Moskva,  
Voen.izd-vo Voennogo ministerstva Soiusa SSR, 1953. 455 p.  
(Sbornik materialov dlia voennnykh uchilishch, vyp.1) (MIRA 12:3)

1. Moscow. Vojennaya akademiya imeni M.V.Frunze.  
(Military art and science)

PROKOF'YEV, YE. A.

PROKOF'YEV, Ye. A.; IGNATKOVICH, G.M., polkovnik, redaktor; KALACHEV, S.G.,  
tekhnicheskiy redaktor.

[Ideas of the Decembrists on military problems] Voennye vzgliady  
dekabristov. Moskva, Voen. izd-vo, 1953. 173 p. (MIRA 7:5)  
(Decembrists) (Military art and science--History)

S/080/61/034/011/020/020  
D204/D301

AUTHORS: Tsyskovskiy, V.K., Freydin, B.G., and Prokofyev, Ye.K.

TITLE: The action of potassium naphthenate in initiating  
the oxidation of paraffin hydrocarbons

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 11, 1961,  
2586 - 2587

TEXT: The mechanism of the catalytic effect of K naphthenate on  
the aerial oxidation of a diesel fuel fraction boiling in the range  
240-350°C was studied, since little information on this subject can  
be found in the literature. The experimental methods used were ear-  
lier described by Freydin (Ref.1: Zh. P. Kh., 32, 1849, 1959),  
(Ref. 2: ibid., 31, 881, 1958). Oxidation was first catalyzed by  
the addition of 0.03 % of Mn naphthenate at 125°C and K naphthenate  
was added to the reaction mixture (in an amount corresponding to  
0.025 % K) 70 minutes after the reaction had started. The rate of  
oxidation with and without K naphthenate and the nature and rates  
of formation of the oxidation products were investigated. It was

Card 1/3

S/080/61/034/011/020/020  
D204/D301

The action of potassium naphthenate ...

found that K naphthenate sharply increased the rate of oxidation, after a short induction period, by promoting the decomposition of the peroxides formed into free radicals which then reacted with the paraffins. The effects on the rate of formation of alcohols, ketones, carboxylic acids and ethers are briefly discussed and illustrated. By analogy with the work of Dumanskiy et al. (Ref. 4: P.A. Demchenko, A.B. Dumanskiy and L.G. Demchenko, *Koll. Zh.*, 14, 165, 1952), it is believed that the decomposition of peroxides is preceded by the establishment of intermolecular bonds between (a) the methylene groups of the peroxide and the organic salt and (b) the -OOH groups and the K atoms. Formation of such complexes and the consequent electron pair displacements in the -O-O- bonds render the latter more susceptible to thermal fission. The mechanism is thought to apply generally to the action of alkali metal salts of higher organic acids in catalyzing the oxidation of paraffins in the liquid state. The work of M.S. Nemtsov, I.I. Radchenko, and S. L. Fisher (Ref. 6: *Khim. nauka i prom.*, 2, 306, 1957) is quoted in support of this explanation. The catalytic effect of multivalent metals is thought to be due to oxidation-reduction reactions with

Card 2/3

The action of potassium naphthenate ... S/080/61/034/011/020/020  
D204/D301

the oxidation products. There are 6 figures and 6 Soviet-bloc references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut nef-tekhimicheskikh protsessov (All-Union Scientific-Research Institute of Petroleum Chemistry Processes)

SUBMITTED: December 16, 1960

Card 3/3

PROKOF'YEV, Ye.K.

Polarographic determination of small amounts of thallium in  
cadmium. Zav.lab. 27 no.5:530-532 '61. (MIRA 14:5)  
(Thallium--Analysis)  
(Cadmium--Analysis)

PISHCHIK, G.F.; PROKOF'YEV, Ye.N.; OL'KHOVIIK, O.Ye.; SERGEYEV, L.V.

Internal stresses caused by the coating of optical plane-parallel plates with synthetic glue "Balzamin." Izv. vys. ucheb. zav.; prib. 8 no.5:120-125 '65. (MIRA 18:10)

1. Leningradskiy institut tochnoy mekhaniki i optiki. Rekomendovana kafedroy soprotivleniya materialov.

ARSHINSKIY, V.M., dotsent; PROKOF'YEV, Ye.V., inzh.

Determining the mechanical characteristics of actuating mechanisms. Izv.vys.ucheb.zav.; gor.zhur. 8 no.11:  
(MIRA 19:1)  
144-148 '65.

1. Irkutskiy politekhnicheskiy institut (for Arshinskiy).
2. Sverdlovskiy gornyy institut imeni Vakhrusheva (for Prokof'yev). Rekomendovana kafedroy avtomatizatsii Sverdlovskogo gornogo instituta. Submitted April 8, 1965.

FEDOROV, V.F., dotsent: PROKOF'YEV, Ye.V., inzh.

Experimental results of the adjustment of a twoengine electric  
drive of a superheavy conveyor. Izv. vys. ucheb. zav.; gor.  
zhur. 8 no.7:167-169 '65. (MIRA 18:9)

1. Sverdlovskiy gornyy institut imeni Vakhrushova. Rekomendovana  
kafedroy avtomatizatsii proizvodstvennykh protsessov.

L 6306-66

ACC NR: AP5026721

SOURCE CODE: UR/0141/65/008/005/1040/1043

31

B

AUTHOR: Prokof'yev, Ye. V.

ORG: Scientific Research Physicotechnical Institute, Gorkiy University (Nauchno-issledovatel'skiy fiziko-tehnicheskiy institut pri Gor'kovskom universitete)

TITLE: Analysis of the efficiency of computer cells

SOURCE: IVUZ. Radiofizika, v. 8, no. 5, 1965, 1040-1043

TOPIC TAGS: computer component, computer design, algorithm

ABSTRACT: A method is given for quantitatively estimating the efficiency (i.e., preservation of normal operation with changing operational parameters) of computer cells. The simplest search algorithm of the optimum operating mode of a cell is given, and on the basis of this algorithm, a program for solving the problem is written. The optimum conductivities  $y_0$  and  $Y_0$  of a three-phase trigger with tunnel diodes are determined. The conditions which must be fulfilled in order that the functioning of the trigger be normal are listed; fulfillment of these conditions corresponds to a normal operating mode of recirculation. The proposed method makes

Card 1/2

UDC: 681.142.6

07011301

L 6306-66

ACC NR: AP5026721

it possible to find the optimum operational parameters from the standpoint of cell efficiency when computer cells are designed. "In conclusion, the author expresses his gratitude to G. G. Rubinshteyn for programming the problem for a computer." Orig. art. has: 4 figures and 14 formulas.

SUB CODE: DP,SS/ SUBM DATE: 11Jul64/ ORIG REF: 001/ OTH REF: 001

Card 2/2 Rds

L 8521-65 EWT(1)/EWG(k)/EEC(t) P7-6 IJP(c)/ASD(a)-5/AFWL/SSD/AS(ep)-2/ESD(t)/  
RAEM(t) AT

ACCESSION NR: AP4044975

S/0181/64/006/009/2873/2876

AUTHORS: Berezhnaya, I. A.; Biryulev, V. I.; Kopilevich, I. G.  
Prokof'yev, Ye. V. B

TITLE: On the mechanism of photoconductivity in lead sulfide layers

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2873-2876

TOPIC TAGS: photoconductivity, carrier mobility, carrier density,  
Hall constant, photoresistance, temperature dependence

ABSTRACT: An investigation was made of the temperature dependence  
of the conductivity, the carrier mobility, the Hall constant, and  
the time constant of PbS photoresistances. The effect of -----

Card 1/4

L 8521-65

ACCESSION NR: AP4044975

illumination was provided by an incandescent lamp and amounted to 5,000 lux on the entrance window of the photoresistance. The temperature interval was +20 to -50C. Typical temperature dependences of the conductivity, carrier mobility, Hall constant, and time constant are shown in Fig. 1 of the enclosure. Application of enough constant illumination to produce a doubling of the conductivity resulted in a carrier mobility increase by approximately 30%. It is concluded that the present results are in full agreement with the majority-carrier model as outlined by R. L. Petritz et al. (Semiconductor Surface Physics, p. 229, University of Pennsylvania Press, 1957). It is shown further that although the results cannot be explained by the Slater barrier mechanism alone, the effect of the barrier cannot be completely refuted, since its contribution to the photo-

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001343210014-2

2 tables.

Card 2/4

L 8521-65

ACCESSION NR: AP4044975

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S. I. Vavilova, Leningrad (State Optical Institute)

SUBMITTED: 24Feb64

ENCL: 01

SUB CODE: SS, OP

NR REF Sov: 000

OTHER: 010

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001343210014-2

Card 3/4

L 8521-65

ENCLOSURE: 01

ACCESSION NR: AP4044973

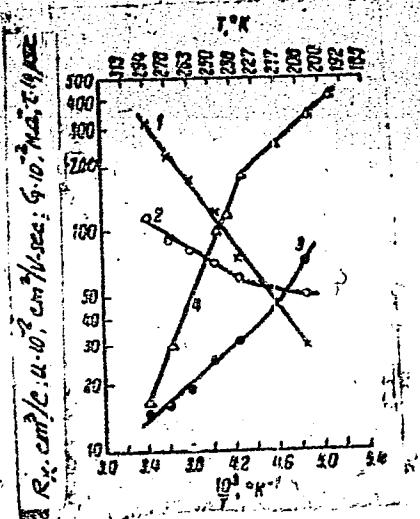


Fig. 1. Temperature dependence of the conductivity (1), the carrier mobility (2), the Hall constant (3), and the time constant (4) for PbS layers.

Card 4/4

L 00075-66 EWT(1)/EWA(h)

ACCESSION NR: AR5013616

UR/0271/65/000/004/B025/B025  
681.142.65

24  
B

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 4B186

AUTHOR: Prokof'yev, Ye. V.; Khokhlov, Yu. Ya.

TITLE: Device for simulating variable delay

CITED SOURCE: Tr. po vopr. primeneniya elektron. vychisl. mashin v nar. kh-ve. Gor'kiy, 1964, 209-212

TOPIC TAGS: time delay device, variable delay

TRANSLATION: It is difficult to realize a variable delay by means of a magnetic tape because a signal modulation occurs due to fluctuations of relative speeds of the magnetic head and tape. To reduce this distortion, the pulse-duration modulation has been used. A device is described based on the above principles in which the delay is determined by the angle between the recording and playback magnetic heads. This angle can be varied by a servosystem. The servosystem amplifier has a balanced circuit and a flexible signal-second-derivative feedback

Card 1/2

I 00075-66  
ACCESSION NR: AR5013616

O  
stabilizer. The device has these characteristics: frequency band, 0--5 cps; delay range, 0.5--22 sec; maximum rate of delay variation, 0.35 cm/sec; total error of reproduction of the delayed signal, 1--1.5%; time of continuous operation with a 500-m reel, 3.5 hours. Bibl. 3, figs. 2.

ENCL: 00

SUB CODE: EC

GW  
Card 2/2

PROKOF'YEV, Ye.V.; KHOKHLOV, Yu.Ya.

Use of pulse-time modulation for modeling variable delay on  
a magnetic tape. Izv. vys. ucheb. zav.; radiofiz. 6 no.2:  
392-397 '63. (MIRA 16:6)

1. Nauchno-issledovatel'skiy fiziko-tehnicheskiy institut pri  
Gor'kovskom universitete.  
(Magnetic recorders and recording)  
(Electronic analog computers)  
(Delay lines)

Khokhlov, V.M., director; IICP-100, T.S.C., India.

Electronic modeling of a closed crushing cycle. Izv. vuz. radiofizika;  
zav.; gor. zhurn. S no.1:125-129 - 165. (IMA 12:3)

I. Sverdlovskiy gornyy institut imeni V.V. Vakhnichikova. Rekomen-  
dovana kafedroy avtomatizatsii proizvodstvennykh protsessov.

ARSHINSKIY, V.M.; BAGAUTINOV, G.A.; BESPALOV, M.V.; GASPAROVICH, P.I.;  
GOLOMIDOV, I.N.; GOLUBOV, G.B.; GRIN, L.T.; ZEL'SKIY, S.A.;  
IL'INYKH, A.F.; KOZIN, V.Z.; KRYUKOV, V.P.; KULAKOV, S.N.;  
LUKAS, V.A.; MINEYEV, V.A.; PETROV, Yu.S.; PIRUSHKO, M.G.;  
PROKOF'YEV, Ye.V.; REBETS, B.A.; STARTSEV, N.V.; TROP, A.Ye.,  
prof.; KHRAMOV, V.A.; ABRAMOV, V.I., otv. red.; PROZOROVSKAYA,  
V.L., tekhn. red.; BOLDYREVA, Z.A., tekhn. red.

[Handbook on electric equipment for mines] Spravochnik gorno-  
go elektrotekhnika. Pod obshchei red. A.E.Tropa. Moskva,  
Gosgortekhizdat, 1962. 400 p. (MIRA 16:5)  
(Electricity in mining)

PROKOF'YEV, Ye.V.

Introduction of eight-fold printout in the external printing  
device of an electronic digital computer. Avtom. i prib.  
no. 3819-21 J1-S '64. (MIRA 18:3)

PROKOF'YEV, Yu., inzh. (Leningrad)

Social insurance council fights accidents. Prom. koop. 12 no.8:33  
Ag '58. (MIRA 11:9)

1.Otdel okhrany truda Rospromstrakhsoveta.  
(Leningrad--Factories--Safety measures)

PROKOF'YEV, Yu.K.

Commutator-type frequency converters as excitors of synchronous phanero-pole machines. Izv. KPI 26:387-404 '57. (MIRA 11:6)

1. Kafedra elektricheskikh mashin Kiyevskogo politekhnicheskogo instituta.  
(Frequency changers) (Electric motors, Synchronous)

PROKOF'YEV, Yu., polkovnik

Keeping in step with the demands of the day.... Komm. Vooruzh. Sil  
46 no.13-91-93 Jl '65. (MIRA 18:7)

1. Redaktor gazety Ural'skogo voyennogo okruga "Krasnyy boyets".

PROKOF'YEV, Yu. (g.Pavlovo-Posad, Moskovskoy oblasti)

Technical supervisor of an artel. Prom.koop. 13 no.11:33-34  
N '59. (MIRA 13:3)  
(Machine-tool industry)

PROKOF'YEV, Yu. (g.Moshgga, Udmurtskoy ASSR)

At a progressive enterprise. Prom.koop. 14 no.2:31-32  
F '60. (MIREA 13:5)  
(Moshgga--Cooperative societies)

PROKOF'YEV, Yu. (poselok Tomilino, Moskovskoy oblasti)

Innovators. Prom. koop. 14 no.5:39 My '60. (MIRA 13:12)  
(Tomilino--Weaving--Technological innovations)

PROKOF'YEV, Yu., polkovnik

We take into consideration the advice of our readers.  
Komm.Vooruzh.Sil 3 no.22:88-91 N '62. (MIRA 15:12)

1. Redaktor gazety Ural'skogo voyennogo okruga "Krasnyy  
boyets".  
(Journalism, Military)

PROKOF'YEV, Yu. N.

105-6-19/26

AUTHOR  
TITLE

KARPENKO, B.K., Eng., PROKOF'YEV, YU.A.  
A Device on an Oscillograph for Recording the Run-Down Angle of the  
the Rotor of a Synchronous Machine  
(Ustroystvo zapisi na ostsillografe ugla vbyega rotora sinkhronnoy  
mashiny - Russian)  
Elektricheskvo, 1957, Nr 6, pp 74 - 76 (U.S.S.R.)

PERIODICAL

ABSTRACT

A donor of the angle  $\theta$ , which is of comparative structural simplicity, is described. It facilitates immediate recording on the oscillograph, has no inertia, and can be used for the recording of processes with practically unlimited variability of this angle. The donor may have very high accuracy and depends on the parameters of the elements used. The system consists of three elements - the impulse giver, the transformer - consisting of a thyatron, an electron tube, an RC member - and an amplifier; In order to avoid the disadvantage accompanying the use of filters (inertia), an RC member, which is switched on to the rectangular voltage wave, is used. Systems with one thyatron and one diode and a system with two thyatrons and one discharge disk are described. In the former case  $\theta$  is fixed on the oscillogram after 0,02 sec, in the latter case this is the case after 0,01 sec. In order that the RC circuit may not exercise any influence on the anode circuit, the resistance  $R$  should be as great as possible.  
(5 illustrations and 1 Slavic reference).

Card 1/2

A Device on an Oscillograph for Recording the Run-Down Angle of the Rotor of a Synchronous Machine. 105-6-19/26

ASSOCIATION Kiev Polytechnic Institute  
PRESENTED BY  
SUBMITTED  
AVAILABLE Library of Congress.  
Card 2/2

*Supplement*  
PROKOF'YEV, Yu. A., Cand Tech Sci -- (diss) "Application of  
a commutator frequency transformer as an exciter of synchronous  
phenopolar machines." [Kiev], 1958. 15 pp with  
drawings (Min of Higher Education, Kiev Order of Lenin Poly-  
technic Inst, Chair of Electric Machines), 150 copies (KL,  
35-58, 109)

-49-

21(8)

SOV/56-35-4-49/52

AUTHORS: Sosnovskiy, A. N. (Deceased), Spivak, P. Ye., Prokof'yev, Yu. M.  
Kutikov, I. Ye., Dobrynin, Yu. P. (Deceased)

TITLE: Measurement of the Half-Life of the Neutron (Izmereniye  
perioda poluraspada neytrona)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,  
Vol 35, Nr 4, pp 1059-1061 (USSR)

ABSTRACT: The authors of the present paper determined the half-life  
of the neutron much more accurately than in previous papers.  
The present paper was also inspired by the great interest  
caused by the form of  $\beta$ -interaction. The longitudinal sec-  
tion through the measuring apparatus used is shown by a  
schematic drawing. A well-collimated neutron beam from the  
reactor РФТ passed through an evacuated chamber. The  
protons produced by neutron decay were focused on to the window  
of a proportionality counter. A formula for calculating the  
half-life T is given. The authors found the value  
 $T = (11.7 \pm 0.3)$  minutes for the half-life of the neutron  
and this furnishes a neutron ft-value of  $1180 \pm 35$ . There  
are 1 figure and 4 references, 1 of which is Soviet.

Card 1/2

21.5300

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SOV/120-59-5-31/46

AUTHORS: Prokof'yev, Yu.A. and Sosnovskiy, A.N. (Deceased)

TITLE: Wire Gas Counters

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 5,  
pp 125 - 127 (USSR)

ABSTRACT: In experiments on angular correlation between neutron decay products (Ref 1), the authors were faced with the problem of reliable detection of electrons with energies up to about 780 kV. The presence of  $\gamma$ -radiation meant that it was impossible to use even gas counters. The effect of the  $\gamma$ -ray background was successfully reduced by using a counter telescope with the counters in coincidence. In order to reduce the loss of soft electrons, the counter cathodes were in the form of a system of thin wires separated from the vacuum by only a thin organic film. Similar counters were described by Chambers in Ref 2 but because of inconvenient construction and characteristics, they had to be re-designed. Figure 3 shows a grid made up of such thin wires. A section through the grid of wires is shown in Figure 2, in which

4

Card1/2

66378

SOV/120-59-5-31/46

Wire Gas Counters

the dots represent the cathode wires and the small circles  
the anodes. 0.15-0.3 mm dia wires were used.  
There are 5 figures and 2 references, 1 of which is  
Soviet and 1 English.

4

SUBMITTED: July 24, 1958

Card 2/2

VASIL'YEV, Yu.K., kand.tekhn.nauk; PROKOF'YEV, Yu.A., kand.tekhn.nauk;  
RYBAL'CHENKO, Yu.I., inzh.; LARCHENKO, V.I., inzh.

Stepping reducer motors and semigraphical method for their  
design. Elektrotehnika 36 no.12:11-16 D '65.  
(MIRA 19:1)

L 33348-66 EWT(1) GD

ACC NR: AT6005904

SOURCE CODE: UR/0000/65/000/000/0162/0175

AUTHOR: Vasil'yev, Yu. K.; Prokof'yev, Yu. A.; Vaynberger, G. Ya.

ORG: None

TITLE: Active-rotor step motors 29

SOURCE: International Federation of Automatic Control. International Congress. 2d, Basel, 1963. Tekhnicheskiye sredstva avtomatiki (Technical means of automation); trudy kongressa. Moscow, Izd-vo Nauka, 1965, 162-175

TOPIC TAGS: electric motor, step motor, motor design

ABSTRACT: This article examines two-rotor and two-stator step motors with axial distribution of sections (phases). These motors have fundamental advantages over motors with radial distribution of sections, including a smaller inertial moment and more divisions in the stator with an identical step cycle and, consequently, better utilization of the material of the machine. Approximate methods for the calculation of the static and frequency characteristics are investigated. These methods make it possible to determine the basic parameters of machine design. A calculation is performed to determine the minimum interval between the sequence of control pulses. The two-rotor step motor discussed is registered under Author's Certificate No. 131811, June 10 1959, by Yu. K. Vasil'yev. In order to determine the nature of the variation of flux as a function of the position of the rotor and the possibility of a more accurate calcula-

Card 1/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001343210014-2

L 33348-66  
ACC NR: AT6005904

tion of the magnetic circuit, a magnetic field in a gap was simulated on the EGDA integrator by.  
Engineer Yu. I. Rybal'chenko. Orig. art. has: 1 table, 13 figures, and 11 formulas.

SUB CODE: 09 / SUBM DATE: 23Jul65 / ORIG REF: 006 / OTH REF: 001

Card 2/2 JS

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001343210014-2"

VASIL'YEV, Yu.K., kand.tekhn.nauk; PROKOF'YEV, Yu.A., kand.tekhn.nauk;  
VAYNBERGER, G.Ya., inzh.

Stepping motors with active rotors. Elektrichestvo no.2:50-56  
(MIRA 16:5)  
F '63.

1. Institut ~~avtomatiki~~ Gosplana UkrSSR.  
(~~Electric~~ motors, Synchronous)

VASIL'YEV, YU.K., PROKOF'YEV, YU.A.

"Step motors with active rotors."

Report submitted to the Second Intl. Congress of the Intl. Federation  
of Automatic Control, Basel, Switzerland, 27 Aug-4 Sep 1963

PROKOF'YEV, Yu.A.; SPIVAK, P.Ye.

Decay of the neutron. Atom. energ. 12 no.4:278 Ap '62.  
(MIRA 15:3)  
(Neutrons--Decay)

SOSNOVSKIY, A.N. [deceased]; SPIVAK, P.Ye.; PROKOF'YEV, Yu.A.; KUTIKOV, I.Ye.;  
DOBRYNIN, Yu.P. [deceased].

Half life of a neutron. Zhur. eksp. i teor. fiz. 35 no.4:1059-1061  
O '58. (MIRA 12:1)

(Neutrons--Decay)

21(1)  
AUTHORS:Sov/56-36-4-7/70  
Sosnovskiy, A. N. (Deceased), Spivak, P. Ye., Prokof'yev, Yu. A.,  
Kutikov, I. Ye., Dobrynin, Yu. P. (Deceased)

TITLE:

Measurement of the Half-life of the Neutron (Izmereniye perioda  
poluraspada neytrona)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,  
Vol 36, Nr 4, pp 1012-1018 (USSR)

ABSTRACT:

In the introduction the methods and results of work recently carried out in the USA and in the USSR are discussed. Estimates made of neutron half-life amounted to 10-30 min (Ref 1), 9-25 min (Ref 2), and 8-15 min (Spivak, Sosnovskiy, Ref 4); more detailed data are given by reference 3:  $12.8 \pm 2.5$  min and  $12.0 \pm 1.5$  min (Ref 4). For the half-life of the neutron it holds that (1):  $T = kJ \ln 2/N_p$ ; J is the neutron density integral, k depends only on the geometry of the experiment and on neutron distribution in the beam. The neutron beam used was obtained from the RFT-reactor; Figure 1 gives a schematic view of the experimental device. Chapter 2 of the paper gives a description of this device and of the experimental principle. Chapter 3 deals with neutron density measurements in the beam.

Card 1/3

SOV/56-36-4-7/70

## Measurement of the Half-life of the Neutron

Neutron density was determined by the activation of sodium- and gold targets. The cross section for sodium follows from the  $1/v$ -law; it holds that  $\sigma_{\text{absorp}} = (98 \pm 1.5) \cdot 10^{-24} \text{ cm}^2$  at  $E = 0.025 \text{ ev}$ . In the case of gold a deviation from the  $1/v$ -law was found; it has a cross section of  $0.5 \cdot 10^{-24} \text{ cm}^2$ . For density  $\rho = 2.17 \cdot 10^3 \text{ neutrons/cm}^3 \pm 1.8\%$  is obtained. For the density integral it follows that  $J = (7.68 \pm 0.15) \cdot 10^4 \text{ neutrons/cm}$ . In the next chapter the authors investigate the problems of the recording of decay protons, i.e. of determining  $N_p$  from formula (1). If the counter records  $n_p$  protons, it holds that  $n_p = \alpha N_p$ ;  $\alpha$  was determined as amounting to  $0.843 \pm 0.006$ . From 25 series of measurements the following was obtained after extrapolation and after consideration of  $\alpha$ :  $N_p = 35.6 \pm 0.54 \text{ protons/min.}$

Chapter 5 deals with the determination of  $k$  from formula (1). Calculations by means of a computer resulted in a value of  $k = 7.87 \cdot 10^{-3} \text{ cm}$ ; if density distribution is taken into account

Card 2/3

SOV/56-36-4-7/70

Measurement of the Half-life of the Neutron

$7.84 \cdot 10^{-3}$  cm is found. The values thus obtained for  $J$ ,  $N_p$ , and  $k$  are then inserted into (1) and give a neutron half-life of  $T = (11.7 \pm 0.3)$  min. Herefrom the reduced life of the neutron is found to amount to  $fT = 1180 \pm 40$  ( $f$  was calculated according to the table by Dzhelepov and Zyryanova (Ref 8)). The authors finally thank Academician I. V. Kurchatov for his interest in the work, and they also express their gratitude to the mathematical team M. R. Shura-Bura, Ye. S. Kuznetsov, I. G. Krutikova, V. N. Toroptseva and O. B. Moskalev, and, finally, also to the RFT reactor team. There are 3 figures, 1 table, and 11 references, 2 of which are Soviet.

SUBMITTED: September 29, 1958

Card 3/3

PROKOF'YEV YU.A

K. PeRNU, B.K., inzhener; PROKOF'YEV, Yu.A., inzhener.

Device for recording the runaway angle of the rotor of a synchronous  
motor on an oscillograph. Elektrichestvo no.6:74-76 Je '57.  
(MLRA 10:8)

1. Kiyevskiy politekhnicheskiy institut.  
(Rotors)

PROKOF'YEV, Yu.

D'YAKOV, A.; PROKOF'YEV, Yu.

Direct current electron tube voltmeter. Radio no.7:61 J1'55.  
(Voltmeter) (MIRA 8:10)

GLAZENKO, T.A.; PISKAREV, A.N.; PROKOF'YEV, Yu.I.

Nonreversible system for regulating the angular velocity of a  
d.c. motor with a transistorized pulse-type amplifier.  
Elektrichestvo no.5:23-29 My '63. (MIRA 16:7)

1. Leningradskiy institut tochnoy mekhaniki i optiki.  
(Electric motors, Direct current)

L 11198-63      PBS  
ACCESSION NR: AP3001625

S/0105/63/000/005/0023/0029

50  
49

AUTHOR: Glazenko, T. A.; Piskarev, A. N.; Prokof'yev, Yu. I.

TITLE: A nonreversible speed-regulating system with a pulse-type semiconductor amplifier for d-c motors

SOURCE: Elektrichestvo, no. 5, 1963, 23-29

TOPIC TAGS: automatic motor speed control, transistorized adjustable-speed drive, adjustable-speed d-c motor, grinding-machine drive

ABSTRACT: A transistorized speed-adjusting system is described as applied to a grinding-machine drive motor (110v dc, 0.76 kw, 8.2 amp, 2,600 rpm). Its speed range is 1 : 20 and speed regulation 10 per cent at the lower speed limit. The 60-volt collector voltage limitation is overcome by an original rectifying bridge circuit fed from a number of secondaries of the supply transformer. The power transistors are controlled by a duration modulator with a variable pulse-repetition rate. A comparison scheme, the modulator, and the pulse-controlled rectifier constitute the speed-adjusting system; it is supplied at 220/380 v, 50 cps. Fundamental equations describing the system are presented, as well as the results of tests, that include oscillograms of operating conditions, acceleration, and

Card 1/2 throwing on the load.

Lenigrad Inst. of Prec. Mech. and Optics

PROTASOV, Nikolay Aleksandrovich; PONOMAREV, Nikolay Pavlovich;  
Yel'yan, Anatoly Stepanovich; GANSSTEYN, Ye.B., tekhn. red.

[Rolling of shapes; a handbook] Prokatka sortovykh profilei;  
spravochnoe rukovodstvo. Moskva, Metallurgizdat, 1964.  
(MIRA 17:2)  
182 p.

KARZHAVIN, Yu.A.; CHUVILO, I.V.; KIRILOV, S.S.; INKIN, V.D.; GOLUTVIN, I.A.; NEUSTROYEV, V.D.; STEPANOV, V.D.; TULAEV, B.P.; KOLEBOV, I.V.; ALMAZOV, V.Ya.; PROKOF'YEV, Yu.P.; SHINAGL, I.

Device for automatic measurement of the coordinates of charged particle tracks recorded on bubble chamber photographs. Prib. i tekhn. eksp. 8 no. 5:54-60 S-0 '63. (MIRA 16:12)

1. Ob'yedinennyj institut jadernykh issledovaniy.

L 09463-67

ACC NR: AR6033770

SOURCE CODE: UR/0058/66/000/007/A029/A029

AUTHOR: Prokof'yev, Yu. P.; Semenov, B. Yu.; Sinayev, A. N.; Frolov, N. S.

TITLE: Simple single-channel amplitude analyzer for the registration of rare events

SOURCE: Ref. zh. Fizika, Abs. 7A258

REF SOURCE: Tr. 6-y Nauchno-tekh. konferentsii po yadern. radioelektron. T. 3. Ch. 1. M., Atomizdat, 1965, 158-170

TOPIC TAGS: amplitude analyzer, potentiometer, pulse analyzer, pulse amplitude/EPP-09 recording potentiometer

ABSTRACT: An investigation is made of an amplitude analyzer, similar to the one described in the work of Birulev et al. (RZhFiz, 1964, 2A162), where the recording EPP-09 potentiometer is used as the amplitude analyzer. When the pulse comes to the analyzer input, the carriage of the recording potentiometer travels a distance proportional to the pulse amplitude, and then returns. The dead time and the number of the analyzer channels are determined by the characteristics of the record

Card 1/2

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ACC NR: AR6033770

ing potentiometer. The number of channels can be brought to 127. The pulses at the analyzer input must be positive with an amplitude ranging from 0.3 to 6 v and a duration of 1 to 1.5  $\mu$  sec. The instrument works dependably in a temperature range of 0-40C. The integral nonlinearity is less than 0.5 percent. The analyzer is fed with a +8 and -8 v voltage, with a  $\sim$ 0.1-percent time and temperature instability, and weighs 0.3 kg. All the analyzer circuits are assembled on semiconductors. A description is given of the block diagram and the operation of all the parts of the instrument. The analyzer is designed for the registration of small events. [Translation of abstract]

SUB CODE: 14, 20/

Card 2/2 *LC*

PROKOF'YEV, Yu.V., inzh.; TABUNINA, M.A., red.; YAKHONTOVA, T.D.,  
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[Safety manual for erectors of cableways] Pamiatka po  
tekhnike bezopasnosti dlia slesaria-montazhnika pod-  
vesnykh kanatnykh dorog, Moskva, Gosstroizdat, 1963. 28 p.  
(MIRA 16:9)

(Cableways--Safety measures)

SOV/124-58-2-1604

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 17 (USSR)

AUTHOR: Prokof'yev, Yu. V.

TITLE: Calculation Methods for Hydrodynamic Torque Converters  
[Metody rascheta gidrodinamicheskikh preobrazovateley krutya-  
shchego momenta (gidrodinamicheskikh transformatorov)]

PERIODICAL: V sb.: Gidromashinostroyeniye (MVTU, Vol 71), Moscow,  
Mashgiz, 1957, pp 76-99

ABSTRACT: The article considers the methods of calculation for the working process of torque converters. The common basis for all the methods is the elementary jet theory of vane-type machines. The fundamental difference among the methods is in the determination of energy losses.

F. M. Kurovskiy

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[Safety manual for pipelayers] Pamiatka po tekhnike bez-  
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39 p. (MIRA 17:2)

USSR/Soil Science. Mineral Fertilizers

J-5

Abs Jour : Ref Zhur - Biol., N. 20, 1958, No 91459

Author : Shishniashvili, Sarishvili, Prokof'yeva  
Inst : Institute of Chemistry, AS Georgian SSR  
Title : Comparison of the Effectiveness of Limestone and Blast-Furnace Slags on Red Earth Soil

Orig Pub : Tr. In-ta khimii AN GruzSSR, 1957, 13, 67-76

Abstract : The results of laboratory experiments and vegetative tests on red soil, carried out in the Institute of Chemistry of the Academy of Science, Georgian SSR, showed that additions of silicate (blast-furnace slags etc) contain less CaO in balanced solutions than  $\text{CaCO}_3$ . It has been also found that they can be applied to the soil in higher doses than  $\text{CaCO}_3$ .  
-- N.N. Sokolov

Card : 1/1

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